

Index of Authors

ADAMS, J. G., 209.

Allman, C. H., 585.

Anson, B. J., 891.

BAST, T. H., 343.

Bayon, P. J., 460.

Beck, A. L., 592.

Boies, L. R., 79, 601.

Bordley, J. E., 936.

Braceland, F. J., 905.

Brown, L. A., 611.

Brunner, Hans, 29.

Bucher, C. J., 836.

CAHN-BRONNER, C. E., 250.

Campbell, P. A., 293.

Carruthers, D. G., 257.

Cauldwell, E. W., 891.

Clerf, L. H., 836, 905.

Cordray, D. P., 585.

Crowe, S. J., 936.

Cunningham, B. P., 301.

Currier, W. D., 955.

DAVISON, F. W., 853, 1074.

Diamond, Sidney, 122, 1077.

Dolowitz, D. A., 936.

EQUEN, Murdock, 1075.

Ersner, M. S., 471.

Evans, M. G., 615.

FARRIOR, J. B., 1007.

Fenton, R. A., 333.

Frackelton, R. J., 626.

Frank, Ira, 22.

Fred, G. B., 638.

Freedman, L. M., 133.

GELLIS, S. S., 1086.

Gill, W. D., 370.

Golden, M. G., 378.

Goldman, J. L., 961.

Goodale, R. L., 648, 1070.

Grove, W. E., 1053.

HAGAMAN, Van Dyke, 508.

Hansel, F. K., 1025.

Hardy, Guerdan, 1062.

Harris, Robin, 508.

Henner, Robert, 424.

Hill, F. T., 105, 653.

Hirsch, Oscar, 133.

Holinger, P. H., 215, 851.

Holmes, E. M., 662.

Holt, L. E., Jr., 1086.

Hoople, G. D., 671.

Howe, A. C., 220.

Hudson, W. A., 1076, 1125.

IGLAUER, Samuel, 1089.

JACKSON, D. E., 973.

Johnson, C. I., 676.

Johnston, W. H., 917.

Judd, D. K., 689.

KAZANJIAN, V. H., 704.

Kramer, Rudolph, 499.

Kuhn, H. A., 162.

LANGER, ELLA, 931.

Lawwill, Stewart, 492.

Leasure, J. K., 253.

LeJeune, F. E., 460.

Lewy, R. B., 264.

Linton, L. D., 162.

Index of Authors

ADAMS, J. G., 209.

Allman, C. H., 585.

Anson, B. J., 891.

BAST, T. H., 343.

Bayon, P. J., 460.

Beck, A. L., 592.

Boies, L. R., 79, 601.

Bordley, J. E., 936.

Braceland, F. J., 905.

Brown, L. A., 611.

Brunner, Hans, 29.

Bucher, C. J., 836.

CAHN-BRONNER, C. E., 250.

Campbell, P. A., 293.

Carruthers, D. G., 257.

Cauldwell, E. W., 891.

Clerf, L. H., 836, 905.

Cordray, D. P., 585.

Crowe, S. J., 936.

Cunningham, B. P., 301.

Currier, W. D., 955.

DAVISON, F. W., 853, 1074.

Diamond, Sidney, 122, 1077.

Dolowitz, D. A., 936.

EQUEN, Murdock, 1075.

Ersner, M. S., 471.

Evans, M. G., 615.

FARRIOR, J. B., 1007.

Fenton, R. A., 333.

Frackelton, R. J., 626.

Frank, Ira, 22.

Fred, G. B., 638.

Freedman, L. M., 133.

GELLIS, S. S., 1086.

Gill, W. D., 370.

Golden, M. G., 378.

Goldman, J. L., 961.

Goodale, R. L., 648, 1070.

Grove, W. E., 1053.

HAGAMAN, Van Dyke, 508.

Hansel, F. K., 1025.

Hardy, Guerdan, 1062.

Harris, Robin, 508.

Henner, Robert, 424.

Hill, F. T., 105, 653.

Hirsch, Oscar, 133.

Holinger, P. H., 215, 851.

Holmes, E. M., 662.

Holt, L. E., Jr., 1086.

Hoople, G. D., 671.

Howe, A. C., 220.

Hudson, W. A., 1076, 1125.

IGLAUER, Samuel, 1089.

JACKSON, D. E., 973.

Johnson, C. I., 676.

Johnston, W. H., 917.

Judd, D. K., 689.

KAZANJIAN, V. H., 704.

Kramer, Rudolph, 499.

Kuhn, H. A., 162.

LANGER, ELLA, 931.

Lawwill, Stewart, 492.

Leasure, J. K., 253.

LeJeune, F. E., 460.

Lewy, R. B., 264.

Linton, L. D., 162.

- Loch, W. E., 396, 995.
 Looper, E. A., 1106.
 Lurie, M. H., 712.

 MACMILLAN, A. S., 718.
 Marcotte, R. H., 406.
 McCaskey, C. H., 389.
 McGillicuddy, O. B., 516.
 McHenry, L. C., 1083.
 Meltzer, P. E., 727.
 Merideth, H. W., 215.
 Moorhead, R. L., 1119.
 Morrison, Wallace, 5.
 Motley, F. E., 737.
 Mueller, Werner, 756.
 Myerson, M. C., 1122.
 Mysel, Philip, 761.

 NAFTZGER, J. B., 414.

 ORTON, H. B., 774, 1050.

 PARKINSON, S. N., 153.
 Parrish, R. E., 1111.
 Pearson, A. A., 317.
 Phelps, K. A., 1102.
 Pickrell, K. L., 936.
 Poe, D. L., 430.
 Porter, C. T., 780.
 Priest, R. E., 79, 1055.
 Proetz, A. W., 112.

 QUEVEDO, JULIO, 785.

 REEH, M. J., 146.
 Richards, L. G., 791.
 Richardson, J. R., 804.
 Roberts, S. E., 358.

 SAFER, L. A., 158.
 Salinger, Samuel, 268, 273.
 Salmon, U. J., 961.
 Saltzman, Maurice, 471.
 Schluederberg, Harry, 526.
 Seed, Lindon, 66.
 Senturia, B. H., 476.
 Shambaugh, G. E., Jr., 117, 817.
 Som, M. L., 499.
 Sulkin, S. E., 476.
 Sutherland, J. M., 445.

 TAMARI, M., 170.
 Tobey, H. G., 945.
 Tremble, G. E., 1017.

 VAN LOON, E. L., 122, 1077.

 WADDELL, W. W., JR., 1094.
 Wallner, L. J., 127.
 Weille, F. L., 830.
 Weiss, J. A., 483.
 Wolff, Dorothy, 969.
 Woodward, F. D., 94, 1094.
 Wright, E. S., 228.

Index of Titles

- ABSCCESS of the Larynx. Stewart Law-
will, 492.
- Abscess of the Parapharyngeal Space:
Massive Hemorrhage, Recovery. A Case
Report. W. E. Grove, 1053.
- Abscess, Peritonsillar, Complications of a.
Louis M. Freedman and Oscar Hirsch,
133.
- Adenoids, Size of, Impaired Hearing in
Children and, in Relation to Some An-
thropometric Data and to Condition of
Teeth. Ella Langer, 931.
- Adenoma (Mixed Tumor) of Bronchus: A
Study of 35 Cases. Louis H. Clerf and
Carl J. Bucher, 836.
- Air Pressure, Effect of Experimentally Al-
tered, in the Middle Ear on Hearing
Acuity in Man. Walter E. Loch, 995.
- Air Pressures in the Nose and Maxillary
Sinus Under Normal Conditions and
in Disease. Delbert K. Judd, 689.
- Allergy Clinic, Fourteen Years of Practi-
cal Experience With Sinus Problems in
an. Francis L. Weille, 830.
- Allergy in Relation to Otolaryngology.
Hugh A. Kuhn and Lloyd D. Linton,
162.
- Allergy, Recent Advances in Otolaryngol-
ogic. French K. Hansel, 1025.
- Allergy, The Significance of the Nose in.
Ralph J. Frackelton, 626.
- Ameloblastoma of Left Maxillary Sinus.
M. Gerard Golden, 378.
- Amino-Heptane Sulfate as a Nasal Vaso-
constrictor. Arthur W. Proetz, 112.
- Androgen Therapy, The Effect of, on the
Voice and Vocal Cords of Adult Women.
Joseph L. Goldman and Udall J. Sal-
mon, 961.
- Antipyrine, Ear Drops in Acute Otitis
Media. An Evaluation of Various Medi-
caments and an Analysis of the Un-
toward Effects of, and Benzopyrine.
Matthew S. Ersner and Maurice Saltz-
man, 471.
- Aphonia, Functional. Louis H. Clerf and
Francis J. Braceland, 905.
- Atresia, Congenital, The Treatment of, of
the Choanae. V. H. Kazanjian, 704.
- Aviation, Otolaryngological Problems of,
in World War II. Major Paul A. Camp-
bell, 293.
- Aviation, Otology and. Ralph A. Fenton,
333.
- BENZOPYRINE, Ear Drops in Acute Otitis
Media. An Evaluation of Various Medi-
caments and an Analysis of the Un-
toward Effects of Antipyrine and. Mat-
thew S. Ersner and Maurice Saltzman,
471.
- Body Fluid as the Criterion for Solutions
for Nasal Treatment. Sidney N. Parkin-
son, 133.
- Bone, Frontal, Acute Fulminating Osteo-
myelitis of the: A Review and a Predic-
tion. Gustave B. Fred, 638.
- Bone, Temporal, Histopathologic Changes
of the, in Paget's Disease. M. Tamari,
170.
- Bones, Frontal and Temporal, Gunshot
Wounds of. Robert Henner, 424.
- Bronchoscopic Clinic, A Cooperative. Gor-
don D. Hoople, 671.
- Bronchoscopy in the Newborn. Fletcher D.
Woodward and William W. Waddell, Jr.,
1094.
- Bronchus, Adenoma (Mixed Tumor) of: A
Study of 35 Cases. Louis H. Clerf and
Carl J. Bucher, 836.
- Bronchus, Upper Lobe, Foreign Body in
the. Robert L. Moorhead, 1119.
- CANCER, Diagnosis and Treatment of, of
the Larynx. Edward S. Wright, 228.
- Cancer of the Larynx. F. E. LeJeune and
P. J. Bayon, 460.
- Carcinoma of the Esophagus: Some Obser-
vations with Two Case Reports. William
A. Hudson, 1125.
- Cellulitis, Orbital. L. J. Wallner, 127.
- Choanae, The Treatment of Congenital
Atresia of the. V. H. Kazanjian, 704.
- Cinematography, Simplified Apparatus for
Laryngeal. Paul H. Holinger and H. W.
Merideth, 215.
- Cords, Vocal, The Effect of Androgen
Therapy on the Voice and, of Adult
Women. Joseph L. Goldman and Udall
J. Salmon, 961.
- Cords, Vocal, The King Operation for
Bilateral Paralysis of the. Lindon Seed,
66.
- Corti, Organ of, The Degeneration and
Absorption of the, in Animals. M. H.
Lurie, 712.
- Cysts, Dermoid, of the Nose. Edgar M.
Holmes, 662.
- Cysts of the Floor of the Mouth. W. H.
Johnston, 917.

- DEAFNESS, Chronic Progressive, The Changing Conception of the Management of, Frederick T. Hill, 653.
- Deafness, The Treatment of, and Tinnitus Aurium with Prostigmin. Harry Schluederberg, 526.
- Development of the Otic Capsule. VI. Histological Changes and Variations in the Growing Bony Capsule of the Vestibule and Cochlea. T. H. Bast, 343.
- Drainage Board, A Postural. F. W. Davison, 1074.
- EARACHE: The Common Causes and Probable Nerve Pathways. G. Edward Tremble, 1017.
- Ectasia, Tracheal, With Report of a Case. Robert E. Priest, 1055.
- Encephalomeningoceles in the Nasal Cavities. Oliver B. McGillicuddy, 516.
- Endobronchitis, Tuberculous, Further Observations on. Kenneth A. Phelps, 1102.
- Endoscopy at the Crossroads. Lyman G. Richards, 791.
- Esophagus, Carcinoma of the: Some Observations with Two Case Reports. William A. Hudson, 1125.
- Esophagus, Complete Cicatricial Stenosis of the: Permeation Made Possible by External Operation in Certain Cases. Fletcher D. Woodward, 94.
- Estrogenic Substance in the Treatment of Atrophic Rhinitis. Louis A. Safer, 158.
- Eustachian Tube in Man, The Effect on Hearing of Experimental Occlusion of the. Walter E. Loch, 396.
- Exenteration, The Sublabyrinthine, of the Petrous Apex. J. Brown Farrior, 1007.
- Extension, Pathological, to the Temporomandibular Fossa and to the Facial Canal from Otitis Media. Dorothy Wolff, 969.
- FIBROLIPOMA of the Laryngopharynx. F. W. Davison, 853.
- Fibroma, Nasopharyngeal. Hans Brunner, 29.
- Fibroma, Nasopharyngeal, With the Report of a Case With Secondary Pneumocephalus. Frederick T. Hill, 105.
- Fibroma, Ossifying, of the Upper Jaw. Robin Harris and Van Dyke Hagaman, 508.
- Foreign Bodies, Esophageal, Two Cases of Mediastinitis Following. L. C. McHenry, 1083.
- Foreign Bodies in the Gastrointestinal Tract. Emily L. Van Loon and Sidney Diamond, 1077.
- Foreign Body, Broken Needle, in the Tonsillar Fossa. J. Allan Weiss, 483.
- Foreign Body in the Upper Lobe Bronchus. Robert L. Moorhead, 1119.
- Foreign Body, The Problem of a Common Pin as a, in a Terminal Bronchiole. Douglas G. Carruthers, 257.
- Fractures of the Face Involving Nasal Accessory Sinuses. J. B. Naftziger, 414.
- Frontal Sinus Surgery, Some Causes for Failure in. Robert Lincoln Goodale, 648.
- GRAMICIDIN (Tyrothricin). The Local Use of the Sulfonamides, and Penicillin in Otolaryngology. John E. Bordley, S. J. Crowe, David A. Dolowitz and Kenneth L. Pickrell, 936.
- HEARING Acuity in Man, Effect of Experimentally Altered Air Pressure in the Middle Ear on. Walter E. Loch, 995.
- Hearing, Impaired, in Children and Size of Adenoids in Relation to Some Anthropometric Data and to Condition of Teeth. Ella Langer, 931.
- Hearing in Chronic Otitis Media. Philip E. Meltzer, 727.
- Hearing, The Clinical Examination of the Hard of. Werner Mueller, 756.
- Hearing, The Effect on, of Experimental Occlusion of the Eustachian Tube in Man. Walter E. Loch, 396.
- Hemangioma, Cavernous, of the Nasopharynx. Julio Quevedo, 785.
- Hemangioma, Cavernous, of Nose, Nasal Septum and Forehead. Samuel Salinger, 268.
- Hemorrhage of the Respiratory Tract: A Bronchoscopic Problem. Robert E. Parrish, 1111.
- Hemorrhage, Massive, as an Otolaryngological Complication. Fred E. Motley, 737.
- INFECTION, Deep Neck. August L. Beck, 592.
- Infection, Tympanic, Diagnosis and Treatment of Labyrinthitis Secondary to. Philip Mysel, 761.
- Infection, Upper Respiratory, of a Fulminating Character Requiring Tracheotomy. C. H. McCaskey, 389.
- Infections, Orbital. Charles T. Porter, 780.
- Instrument, An, for Severing Staples and Similar Objects in the Air and Food Passages. William A. Hudson, 1076.
- Irradiation for Recurring Papillomas, Arrested Development of the Larynx Following. Samuel Salinger, 273.
- Irrigation, Tympanic Cavity. J. Kent Leesure, 253.

- KING Operation, The, for Bilateral Abductor Paralysis of the Vocal Cords. Lindon Seed, 66.
- Kodachrome Visualization of the Physiology and Pathology of the Tracheobronchial Tree. Paul H. Holinger, 851.
- LABYRINTHITIS Secondary to Tympanic Infection, Diagnosis and Treatment of. Philip Mysel, 761.
- Laryngocele. Charles H. Allman and David P. Cordray, 585.
- Laryngopharynx, Fibrolipoma of the. F. W. Davison, 853.
- Larynx, Abscess of the. Stewart Lawwill, 492.
- Larynx, Arrested Development of the, Following Irradiation for Recurring Papillomas. Samuel Salinger, 273.
- Larynx, Cancer of the. F. E. LeJeune and P. J. Bayon, 460.
- Larynx, Diagnosis and Treatment of Cancer of the. Edward S. Wright, 228.
- Larynx, Myoblastoma of the. Samuel Iglaier, 1089.
- Larynx, Neurofibroma of the. Emily L. Van Loon and Sidney Diamond, 122.
- Lesions, A Bronchoscopic Diagnostic Sign for, of the Pleural Cavity. M. C. Myerson, 1122.
- Ligation, Bilateral Jugular, Following Bilateral Suppurative Mastoiditis. Maurice G. Evans, 615.
- Lye Ingestion, The Treatment of, by the Salzer Method. S. S. Gellis and L. E. Holt, Jr., 1086.
- Lysozyme, The Presence and Action of, in the Nasal Mucosa. Carl E. Cahn-Bronner, 250.
- MASTOID Cells, Roentgen Findings in Acute Infection of the. A. S. Macmillan, 718.
- Mastoidectomy, End-aural Radical, A New Plastic Flap for Use in. George E. Shambaugh, Jr., 117.
- Mastoidectomy Wounds, Sulfathiazole in. Report of 84 Cases. Wilber D. Currier, 955.
- Mastoiditis, Acute: 1931-1941. Lawrence R. Boies, 601.
- Mastoiditis, Bilateral Jugular Ligation Following Bilateral Suppurative. Maurice G. Evans, 615.
- Mastoiditis, Bilateral, Scarlet Fever, with Intervening Pneumonia and Cerebellar Abscess with Recovery. Robert B. Lewy, 264.
- Maxillary Sinus, Air Pressures in the Nose and, Under Normal Conditions and in Disease. Delbert K. Judd, 689.
- Maxillary Sinus, Ameloblastoma of Left. M. Gerard Golden, 378.
- Maxillary Sinus, Osteoma of the. Robert E. Priest and Lawrence R. Boies, 79.
- Mediastinitis, Two Cases of, Following Esophageal Foreign Bodies. L. C. McHenry, 1083.
- Ménière's Disease. Charles I. Johnson, 676.
- Meningitis, Otitic. Guerdan Hardy, 1062.
- Meningitis, Treatment of Bacterial, of Rhinogenic Origin. Rudolph Kramer and Max L. Som, 499.
- Mucosa, Nasal, The Presence and Action of Lysozyme in the. Carl E. Cahn-Bronner, 250.
- Myoblastoma of the Larynx. Samuel Iglaier, 1089.
- Myringitis Bullosa Hemorrhagica, The Etiology of. Preliminary Report. Ben H. Senturia and S. Edward Sulkin, 476.
- NASOPHARYNX, Cavernous Hemangioma of the. Julio Quevedo, 785.
- Neck Infection, Deep. August L. Beck, 592.
- Neck, Penetrating Wound of the, with Unusual Complications and Sequelae. Henry Boylan Orton, 1050.
- Nerve, Olfactory, The Development of the, the Nervus Terminalis, and the Vomeronasal Nerve in Man. Anthony A. Pearson, 317.
- Neurofibroma of the Larynx. Emily L. Van Loon and Sidney Diamond, 122.
- Nose and Maxillary Sinus, Air Pressures in the, Under Normal Conditions and in Disease. Delbert K. Judd, 689.
- Nose, Cavernous Hemangioma of, Nasal Septum and Forehead. Samuel Salinger, 268.
- Nose, Dermoid Cysts of the. Edgar M. Holmes, 662.
- Nose, Experimental and Clinical Observations Regarding the Physiology and Pharmacology of the. D. E. Jackson, 973.
- Nose, The Significance of the, in Allergic States. Ralph J. Frackelton, 626.
- Nucleic Acid Treatment of Subacute and Chronic Sinusitis. Alexander C. Howe, 220.
- Nutritional Deficiencies in Otolaryngology. Sam E. Roberts, 358.
- ORGAN of Corti, The Degeneration and Absorption of the, in Animals. M. H. Lurie, 712.
- Osteoma of the Maxillary Sinus. Robert E. Priest and Lawrence R. Boies, 79.
- Osteomyelitis, Acute Fulminating, of the Frontal Bone: A Review and a Prediction. Gustave B. Fred, 638.

- Otic Capsule, Development of the. VI. Histological Changes and Variations in the Growing Bony Capsule of the Vestibule and Cochlea. T. H. Bast, 343.
- Otitis Externa. William D. Gill, 370.
- Otitis Media, A Modern Conception of the Pathology, Diagnosis and Treatment of Chronic Suppurative. Wallace Morrison, 5.
- Otitis Media, Acute, Observations in. John R. Richardson, 804.
- Otitis Media, Acute, The Sulfonamide Drugs in the Treatment of. Harold G. Tobey, 945.
- Otitis Media, Chronic, Hearing in. Philip E. Meltzer, 727.
- Otitis Media, Ear Drops in Acute. An Evaluation of Various Medicaments and an Analysis of the Untoward Effects of Antipyrine and Benzopyrine. Matthew S. Ersner and Maurice Saltzman, 471.
- Otitis Media, Pathological Extension to the Temporomandibular Fossa and to the Facial Canal from. Dorothy Wolff, 969.
- Otitis Media, Tuberculous, A Complication of Thoracoplasty. John G. Adams, 209.
- Otolaryngological Problems of Aviation in World War II. Major Paul A. Campbell, 293.
- Otology and Aviation. Ralph A. Fenton, 333.
- Otomycosis, Treatment of. Merrill J. Reeh, 146.
- Otosclerosis, Surgical Treatment of: Comparative Analysis of Results Using Different Technics. George E. Shambaugh, Jr., 817.
- PACET'S Disease, Histopathologic Changes of the Temporal Bone in. M. Tamari, 170.
- Papillomas, Recurring, Arrested Development of the Larynx Following Irradiation for. Samuel Salinger, 273.
- Paralysis, Bilateral Abductor, The King Operation for, of the Vocal Cords. Lindon Seed, 66.
- Parapharyngeal Space, Abscess of the. Massive Hemorrhage. Recovery. A Case Report. W. E. Grove, 1053.
- Penicillin, The Local Use of the Sulfonamides, Gramicidin (Tyrothricin) and, in Otolaryngology. John E. Bordley, S. I. Crowe, David A. Dolowitz and Kenneth L. Pickrell, 936.
- Petrous Apex, The Sublabyrinthine Extension of the. J. Brown Farrior, 1007.
- Pharmacology of the Nose, Experimental and Clinical Observations Regarding the Physiology and. D. E. Jackson, 973.
- Pharyngitis, Chronic Granular. Raymond H. Marcotte, 406.
- Pharyngotomy, Lateral Transthyroid. Henry B. Orton, 774.
- Physiology and Pharmacology of the Nose, Experimental and Clinical Observations Regarding the. D. E. Jackson, 973.
- Plasmocytoma of the Tonsil. Ira Frank, 22.
- Plastic Flap, A New, for Use in Endaural Radical Mastoidectomy. George E. Shambaugh, Jr., 117.
- Pleural Cavity, A Bronchoscopic Diagnostic Sign for Lesions of the. M. C. Myerson, 1122.
- Pneumocephalus, Nasopharyngeal Fibroma, With the Report of a Case With Secondary. Frederick T. Hill, 105.
- Prostigmin, The Treatment of Deafness and Tinnitus Aurium with. Harry Schluederberg, 526.
- Purpura Hemorrhagica, Bronchial Involvement in. Edward A. Looper, 1106.
- RESEARCH, Medical, and War Problems. J. M. Sutherland, 445.
- Rhinitis, Atrophic, Estrogenic Substance in the Treatment of. Louis A. Safer, 158.
- Roentgen Findings in Acute Infections of the Mastoid Cells. A. S. Macmillan, 718.
- SALZER Method, The Treatment of Lye Ingestion by the. S. S. Gellis and L. E. Holt, Jr., 1086.
- Sarcoid, Multiple Benign, of the Upper Respiratory Tract. David L. Poe, 430.
- Saw, An Improved Electric Laryngeal. Murdock Euen, 1075.
- Scarlet Fever, Bilateral Mastoiditis with Intervening Pneumonia and Cerebellar Abscess with Recovery. Robert B. Lewy, 264.
- Sinus, Maxillary, Air Pressures in the Nose and, Under Normal Conditions and Disease. Delbert K. Judd, 689.
- Sinus, Maxillary, Ameloblastoma of Left. M. Gerard Golden, 378.
- Sinus, Maxillary, Osteoma of the. Robert E. Priest and Lawrence R. Boies, 79.
- Sinus Problems in an Allergy Clinic, Fourteen Years Practical Experience With Francis L. Weille, 830.
- Sinus Surgery, Frontal, Some Causes for Failure in. Robert Lincoln Goodale, 648.
- Sinuses, Fractures of the Face Involving Nasal Accessory. J. B. Naftzger, 414.

- Sinusitis, Nucleic Acid Treatment of Sub-acute and Chronic. Alexander C. Howe, 220.
- Stapes, Human, The Developmental Anatomy of the. Barry J. Anson and Earl W. Cauldwell, 891.
- Stenosis, Complete Cicatricial, of the Esophagus: Permeation Made Possible by External Operation in Certain Cases. Fletcher D. Woodward, 94.
- Sulfapyridine, Clinical and Experimental Studies with, as a Hemostatic Agent. Bernard P. Cunningham, 301.
- Sulfathiazole in Mastoidectomy Wounds, Report of 84 Cases. Wilber D. Currier, 955.
- Sulfonamide Drugs, The, in the Treatment of Acute Otitis Media. Harold G. Tobey, 945.
- Sulfonamide Powder, Intranasal Application of. Lester A. Brown, 611.
- Sulfonamides, The Local Use of the, Gramicidin (Tyrothricin) and Penicillin in Otolaryngology. John E. Bordley, S. J. Crowe, David A. Dolowitz and Kenneth L. Pickrell, 936.
- Surgery, Frontal Sinus, Some Causes for Failure in. Robert Lincoln Goodale, 648.
- THORACOPLASTY, A Complication of, in Tuberculous Otitis Media. John G. Adams, 209.
- Tinnitus Aurium, The Treatment of Deafness and, With Prostigmin. Harry Schluederberg, 526.
- Tonsil, Plasmocytoma of the. Ira Frank, 22.
- Tracheobronchial Tree, Kodachrome Visualization of the Physiology and Pathology of the. Paul H. Holinger, 851.
- Tracheotomy, Upper Respiratory Infection of a Fulminating Character Requiring. C. H. McCaskey, 389.
- Tympanic Cavity Irrigation. J. Kent Leasure, 253.
- VASOCONSTRICTOR, Nasal, 2-Amino-Heptane Sulfate as a. Arthur W. Proetz, 112.
- Visualization, Kodachrome, of the Physiology and Pathology of the Tracheobronchial Tree. Paul H. Holinger, 851.
- Vitamin Deficiency, A Case of, with Laryngeal Complications. Robert Lincoln Goodale, 1070.
- Voice, The Effect of Androgen Therapy on the, and Vocal Cords of Adult Women. Joseph L. Goldman and Udall J. Salmon, 961.
- WAR Problems, Medical Research and. J. M. Sutherland, 445.
- Wound, Penetrating, of the Neck with Unusual Complications and Sequelae. Henry Boylan Orton, 1050.
- Wounds, Gunshot, of Frontal and Temporal Bones. Robert Henner, 424.

Bl. P. 1184



8+1184

ANNALS OF OTOLOGY, RHINOLOGY AND LARYNGOLOGY

FOUNDED BY JAMES PLEASANT PARKER

VOLUME 51

Editors

L. W. DEAN, M.D.,
1125 N. Berry Road, Kirkwood, Mo.

ARTHUR W. PROETZ, M.D.,
Beaumont Building, St. Louis



Editorial Board

T. E. CARMODY, M.D.	Denver	MARVIN F. JONES, M.D.	New York
IRA FRANK, M.D.	Chicago	HAROLD I. LILLIE, M.D.	Rochester, Minn.
W. E. GROVE, M.D.	Milwaukee	JOHN G. McLAURIN, M.D.	Dallas
DAVID HIGBEE, M.D.	San Diego	LEROY A. SCHALL, M.D.	Boston
ANDERSON C. HILDING, M.D.	Duluth	H. MARSHALL TAYLOR, M.D.,	Jacksonville, Fla.
FREDERICK T. HILL, M.D.	Waterville, Me.	O. E. VAN ALYEA, M.D.	Chicago



Published Quarterly

BY THE

ANNALS PUBLISHING COMPANY

EDITORIAL OFFICE † 1010 BEAUMONT BLDG.

BUSINESS OFFICE † 7200 WYDOWN BL.

ST. LOUIS, MO., U.S.A.

Copyright 1942

Annual Subscription in United States, Spain, Central and South America, \$6.00 in Advance.
Canada, \$6.40. Other Countries, \$6.80.

RF 1
AC13
(5)

STATE OF
VIRGINIA

Table of Contents, Volume 51

MARCH, 1942—NUMBER 1

	PAGE
I.—A Modern Conception of the Pathology, Diagnosis and Treatment of Chronic Suppurative Otitis Media. Wallace Morrison, M.D., New York	5
II.—Plasmocytoma of the Tonsil. Ira Frank, M.D., Chicago	22
III.—Nasopharyngeal Fibroma. Hans Brunner, M.D., Chicago	29
IV.—The King Operation for Bilateral Abductor Paralysis of the Vocal Cords. Lindon Seed, M.D., Chicago	66
V.—Osteoma of the Maxillary Sinus. Robert E. Priest, M.D., and Lawrence R. Boies, M.D., Minneapolis	79
VI.—Complete Cicatricial Stenosis of the Esophagus: Permeation Made Possible by External Operation in Certain Cases. Fletcher D. Woodward, M.D., Charlottesville, Va.	94
VII.—Nasopharyngeal Fibroma, With the Report of a Case With Secondary Pneumocephalus. Frederick T. Hill, M.D., Waterville, Me.	105
VIII.—2-Amino-Heptane Sulfate as a Nasal Vasoconstrictor. Arthur W. Proetz, M.D., Saint Louis	112
IX.—A New Plastic Flap for Use in End-aural Radical Mastoidectomy. George E. Shambaugh, Jr., M.D., Chicago	117
X.—Neurofibroma of the Larynx. Emily L. Van Loon, M.D., and Sidney Diamond, M.D., Philadelphia	122
XI.—Orbital Cellulitis. L. J. Wallner, M.D., Chicago	127
XII.—Complications of a Peritonsillar Abscess. Louis M. Freedman, M.D., and Oscar Hirsch, M.D., Boston	133
XIII.—Treatment of Otomycosis. Merrill J. Reeh, M.D., Randolph Field, Tex.	146
XIV.—Body Fluid as the Criterion for Solutions for Nasal Treatment. Sidney N. Parkinson, M.D., Oakland, Calif.	153
XV.—Estrogenic Substance in the Treatment of Atrophic Rhinitis. Louis A. Safer, M.D., Cincinnati	158
XVI.—Allergy in Relation to Otolaryngology. Hugh A. Kuhn, M.D., and Lloyd D. Linton, B.S., Hammond, Ind.	162
XVII.—Histopathologic Changes of the Temporal Bone in Paget's Disease. M. Tamari, M.D., Chicago	170
XVIII.—Tuberculous Otitis Media: A Complication of Thoracoplasty. John G. Adams, M.D., Salem, Mass.	209
XIX.—Simplified Apparatus for Laryngeal Cinematography. Paul H. Holinger, M.D., and H. W. Merideth, M.D., Chicago	215
XX.—Nucleic Acid Treatment of Subacute and Chronic Sinusitis. Alexander C. Howe, M.D., Brooklyn, N. Y.	220
XXI.—Diagnosis and Treatment of Cancer of the Larynx. Edward S. Wright, M.D., Atlanta, Ga.	228
XXII.—The Presence and Action of Lysozyme in the Nasal Mucosa. Carl E. Cahn-Bronner, M.D., Chicago	250

	PAGE
XXIII.—Tympanic Cavity Irrigation. J. Kent Leasure, M.D., Indianapolis, Ind.	253
Clinical Notes	
XXIV.—The Problem of a Common Pin as a Foreign Body in a Terminal Bronchiole. Douglas G. Carruthers, M.D., Sydney, Australia	257
XXV.—Scarlet Fever, Bilateral Mastoiditis With Intervening Pneumonia and Cerebellar Abscess With Recovery. Robert B. Lewy, M.D., Chicago	264
XXVI.—Cavernous Hemangioma of Nose, Nasal Septum and Forehead. Samuel Salinger, M.D., Chicago	268
XXVII.—Arrested Development of the Larynx Following Irradiation for Recurring Papillomas. Samuel Salinger, M.D., Chicago	273
Society Proceedings	
Chicago Laryngological and Otological Society. Meeting of Monday, October 6, 1941. Arrested Development of the Larynx Following Irradiation for Recurring Papillomas—A New Plastic Flap for Use in the Endaural Radical Mastoidectomy—The Presence and Action of Lysozyme in the Nasal Mucus	278
Books Received	285
Notices	287

JUNE, 1942—NUMBER 2

XXVIII.—Otolaryngological Problems of Aviation in World War II. Major Paul A. Campbell, M.C., Randolph Field, Tex.	293
XXIX.—Clinical and Experimental Studies With Sulfapyridine as a Hemostatic Agent. Bernard P. Cunningham, M.D., Rochester, Minn.	301
XXX.—The Development of the Olfactory Nerve, the Nervus Terminalis, and the Vomeroneasal Nerve in Man. Anthony A. Pearson, Ph.D., Chicago	317
XXXI.—Otology and Aviation. Ralph A. Fenton, M.D., Portland, Ore.	333
XXXII.—Development of the Otic Capsule. VI. Histological Changes and Variations in the Growing Bony Capsule of the Vestibule and Cochlea. T. H. Bast, Ph.D., Madison, Wis.	343
XXXIII.—Nutritional Deficiencies in Otolaryngology. Sam E. Roberts, M.D., Kansas City, Mo.	358
XXXIV.—Otitis Externa. William D. Gill, M.D., San Antonio, Tex.	370
XXXV.—Ameloblastoma of Left Maxillary Sinus. M. Gerard Golden, M.D., Brooklyn, N. Y.	378
XXXVI.—Upper Respiratory Infection of a Fulminating Character Requiring Tracheotomy. C. H. McCaskey, M.D., Indianapolis	389
XXXVII.—The Effect on Hearing of Experimental Occlusion of the Eustachian Tube in Man. Walter E. Loch, M.D., Baltimore	396
XXXVIII.—Chronic Granular Pharyngitis. Raymond H. Marcotte, M.D., Nashua, N. H.	406
XXXIX.—Fractures of the Face Involving Nasal Accessory Sinuses. J. B. Naftzger, M.D., Hollywood, Calif.	414
XL.—Gunshot Wounds of Frontal and Temporal Bones. Robert Henner, M.D., Chicago	424
XLI.—Multiple Benign Sarcoid of the Upper Respiratory Tract. David L. Poe, M.D., New York City	430

TABLE OF CONTENTS

v

	PAGE
XLII.—Medical Research and War Problems. J. M. Sutherland, M.D., Detroit	445
XLIII.—Cancer of the Larynx. F. E. LeJeune, M.D., and P. J. Bayon, M.D., New Orleans	460
XLIV.—Ear Drops in Acute Otitis Media. An Evaluation of Various Medi- caments and an Analysis of the Untoward Effects of Antipyrine and Benzopyrine. Matthew S. Ersner, M.D., and Maurice Saltzman, M.D., Philadelphia	471
XLV.—The Etiology of Myringitis Bullosa Hemorrhagica. Preliminary Re- port. Ben H. Senturia, M.D., and S. Edward Sulkin, Ph.D., St. Louis	476
XLVI.—Broken Needle Foreign Body in the Tonsillar Fossa. J. Allan Weiss, M.D., Chicago	483
XLVII.—Abscess of the Larynx. Stewart Lawwill, M.D., Chattanooga, Tenn.	492
XLVIII.—Treatment of Bacterial Meningitis of Rhinogenic Origin. Rudolph Kramer, M.D., and Max L. Som, M.D., New York City	499
XLIX.—Ossifying Fibroma of the Upper Jaw. Robin Harris, M.D., and Van Dyke Hagaman, M.D., Jackson, Miss.	508
L.—Encephalomeningoceles in the Nasal Cavities. Oliver B. McGillicuddy, M.D., Lansing, Mich.	516
LI.—The Treatment of Deafness and Tinnitus Aurium With Prostigmin. Harry Schluederberg, M.D., Philadelphia	526
Society Proceedings	
Chicago Laryngological and Otological Society. Meeting of Monday, Nov. 3, 1941. The Development of the Olfactory Nerve, the Nervus Ter- minalis, and the Vomeronasal Nerve In Man—Gunshot Wounds of Frontal and Temporal Bones	531
Chicago Laryngological and Otological Society. Meeting of Monday, Dec. 1, 1941. Osteomyelitis of the Superior Maxilla With Recovery Under Treat- ment With Chemotherapy—Observations on Acoustic Trauma in War and in Peace	538
Chicago Laryngological and Otological Society. Meeting of Monday, Jan. 5, 1942. Air Pressures in the Nose and Maxillary Sinus Under Normal Con- ditions and in Disease—Labyrinthine Dropsy, Inner Ear Deafness, and Ménière's Syndrome—Observations on the Acoustic Movements of the Human Sound Conduction Apparatus	546
Abstracts of Current Articles	556
Obituaries	572
Books Received	576

SEPTEMBER, 1942—NUMBER 3

Harris Peyton Mosher	583
LII.—Laryngocele. Charles H. Allman, M.D., and David P. Cordray, M.D., Boston	585
LIII.—Deep Neck Infection. August L. Beck, M.D., New Rochelle, N. Y.	592
LIV.—Acute Mastoiditis: 1931-1941. Lawrence R. Boies, M.D., Minneapolis	601
LV.—Intranasal Application of Sulfonamide Powder. Lester A. Brown, M.D., Atlanta, Ga.	611

	PAGE
LVI.—Bilateral Jugular Ligation Following Bilateral Suppurative Mastoiditis. Maurice G. Evans, M.D., Boston	615
LVII.—The Significance of the Nose in Allergic States. Ralph J. Frackelton, M.D., Lakewood, Ohio	626
LVIII.—Acute Fulminating Osteomyelitis of the Frontal Bone: A Review and a Prediction. Gustave B. Fred, M.D., Boston	638
LIX.—Some Causes for Failure in Frontal Sinus Surgery. Robert Lincoln Goodale, M.D., Boston	648
LX.—The Changing Conception of the Management of Chronic Progressive Deafness. Frederick T. Hill, M.D., Waterville, Me.	653
LXI.—Dermoid Cysts of the Nose. Edgar M. Holmes, M.D., Boston	662
LXII.—A Cooperative Bronchoscopic Clinic. Gordon D. Hoople, M.D., Syracuse, N. Y.	671
LXIII.—Ménière's Disease. Charles I. Johnson, M.D., Boston	676
LXIV.—Air Pressures in the Nose and Maxillary Sinus Under Normal Conditions in Disease. Delbert K. Judd, M.D., Chicago	689
LXV.—The Treatment of Congenital Atresia of the Choanae. V. H. Kazanjian, D.M.D., M.D.	704
LXVI.—The Degeneration and Absorption of the Organ of Corti in Animals. M. H. Lurie, M.D., Boston	712
LXVII.—Roentgen Findings in Acute Infections of the Mastoid Cells. A. S. Macmillan, M.D., Boston	718
LXVIII.—Hearing in Chronic Otitis Media. Philip E. Meltzer, M.D., Boston	727
LXIX.—Massive Hemorrhage as an Otolaryngological Complication. Fred E. Motley, M.D., Charlotte, N. C.	737
LXX.—The Clinical Examination of the Hard of Hearing. Werner Mueller, M.D., Boston	756
LXXI.—Diagnosis and Treatment of Labyrinthitis Secondary to Tympanic Infection. Philip Mysel, M.D., Boston	761
LXXII.—Lateral Transthyroid Pharyngotomy. Henry Boylan Orton, M.D., Newark, N. J.	774
LXXIII.—Orbital Infections. Charles T. Porter, M.D., Boston	780
LXXIV.—Cavernous Hemangioma of the Nasopharynx. Julio Quevedo, M.D., Guatemala City	785
LXXV.—Endoscopy at the Crossroads. Lyman G. Richards, M.D., Boston	791
LXXVI.—Observations in Acute Otitis Media. John R. Richardson, M.D., Boston	804
LXXVII.—Surgical Treatment of Otosclerosis: Comparative Analysis of Results Using Different Technics. George E. Shambaugh, Jr., M.D., Chicago	817
LXXVIII.—Fourteen Years of Practical Experience With Sinus Problems in an Allergy Clinic. Francis L. Weille, M.D., Boston	830
 The Scientific Papers of the American Broncho-Esophagological Association	
LXXIX.—Adenoma (Mixed Tumor) of Bronchus: A Study of 35 Cases. Louis H. Clerf, M.D., and Carl J. Bucher, M.D., Philadelphia	836
LXXX.—Kodachrome Visualization of the Physiology and Pathology of the Tracheobronchial Tree. Paul H. Holinger, M.D., Chicago	851
LXXXI.—Fibrolipoma of the Laryngopharynx. F. W. Davison, M.D., Danville, Pa.	853

Society Proceedings

Sixty-fourth Annual Congress of the American Laryngological Association.	
Ludwig's Angina—Infections With Anaerobic Streptococci With Special	
Reference to Cranial Osteomyelitis	855
Obituaries	866

DECEMBER, 1942—NUMBER 4

LXXXII.—The Developmental Anatomy of the Human Stapes. Barry J. Anson, Ph.D. (Med. Sci.), and Earl W. Cauldwell, M.S., Chicago	891
LXXXIII.—Functional Aphonia. Louis H. Clerf, M.D., Philadelphia, and Francis J. Braceland, M.D., Chicago	905
LXXXIV.—Cysts of the Floor of the Mouth. W. H. Johnston, M.D., Santa Barbara, Calif.	917
LXXXV.—Impaired Hearing in Children and Size of Adenoids in Relation to Some Anthropometric Data and to Condition of Teeth. Ella Langer, M.D., Baltimore	931
LXXXVI.—The Local Use of the Sulfonamides, Gramicidin (Tyrothricin) and Penicillin in Otolaryngology. John E. Bordley, M.D., S. J. Crowe, M.D., David A. Dolowitz, M.D., and Kenneth L. Pickrell, M.D., Baltimore	936
LXXXVII.—The Sulfonamide Drugs in the Treatment of Acute Otitis Media. Harold G. Tobey, M.D., Boston	945
LXXXVIII.—Sulfathiazole in Mastoidectomy Wounds. Report of 84 Cases. Wilber D. Currier, M.D., Boston	955
LXXXIX.—The Effect of Androgen Therapy on the Voice and Vocal Cords of Adult Women. Joseph L. Goldman, M.D., and Udall J. Salmon, M.D., New York City	961
XC.—Pathological Extension to the Temporomandibular Fossa and to the Facial Canal from Otitis Media. Dorothy Wolff, Ph.D., New York City.	969
XCI.—Experimental and Clinical Observations Regarding the Physiology and Pharmacology of the Nose. D. E. Jackson, M.D., Cincinnati	973
XCII.—Effect of Experimentally Altered Air Pressure in the Middle Ear on Hearing Acuity in Man. Walter E. Loch, M.D., Baltimore	995
XCIII.—The Sublabyrinthine Exenteration of the Petrous Apex. J. Brown Farrior, M.D., Ann Arbor	1007
XCIV.—Earache: The Common Causes and Probable Nerve Pathways. G. Edward Tremble, M.D., Montreal	1017
XCV.—Recent Advances in Otolaryngologic Allergy. French K. Hansel, M.D., St. Louis	1025
Clinical Notes	
XCVI.—Penetrating Wound of the Neck With Unusual Complications and Sequelae. Henry Boylan Orton, M.D., Newark, N. J.	1050
XCVII.—Abscess of the Parapharyngeal Space: Massive Hemorrhage, Recovery. A Case Report. W. E. Grove, M.D., Milwaukee	1053
XCVIII.—Tracheal Ectasia, With Report of a Case. Robert E. Priest, M.D., Minneapolis	1055
XCIX.—Otitic Meningitis. Guerdan Hardy, M.D., Saint Louis	1062
C.—A Case of Vitamin Deficiency With Laryngeal Complications. Robert Lincoln Goodale, M.D., Boston	1070

The Scientific Papers of the American Broncho-Esophagological Association

CI.—Presentation of Specimens and New Instruments—A Postural Drainage Board, F. W. Davison, M.D., Danville, Pa.—An Improved Electric Laryngeal Saw, Murdock Euen, M.D., Atlanta—An Instrument for Severing Staples and Similar Objects in the Air and Food Passages, William A. Hudson, M.D., Detroit	1074
CII.—Foreign Bodies in the Gastrointestinal Tract. Emily L. Van Loon, M.D., and Sidney Diamond, M.D., Philadelphia	1077
CIII.—Two Cases of Mediastinitis Following Esophageal Foreign Bodies. L. C. McHenry, M.D., Oklahoma City, Okla.	1083
CIV.—The Treatment of Lye Ingestion by the Salzer Method. S. S. Gellis, M.D., and L. E. Holt, Jr., M.D., Baltimore	1086
CV.—Myoblastoma of the Larynx. Samuel Iglauer, M.D., Cincinnati	1089
CVI.—Bronchoscopy in the Newborn. Fletcher D. Woodward, M.D., and William W. Waddell, Jr., M.D., Charlottesville, Va.	1094
CVII.—Further Observations on Tuberculous Endobronchitis. Kenneth A. Phelps, M.D., Minneapolis	1102
CVIII.—Bronchial Involvement in Purpura Hemorrhagica. Edward A. Looper, M.D., Baltimore	1106
CIX.—Hemorrhage of the Respiratory Tract: A Bronchoscopic Problem. Robert E. Parrish, M.D., San Antonio	1111
CX.—Foreign Body in the Upper Lobe Bronchus. Robert L. Moorhead, M.D., Brooklyn	1119
CXI.—A Bronchoscopic Diagnostic Sign for Lesions of the Pleural Cavity. M. C. Myerson, M.D., New York	1122
CXII.—Carcinoma of the Esophagus: Some Observations With Two Case Reports. William A. Hudson, M.D., Detroit	1125

Society Proceedings

Sixty-fourth Annual Congress of the American Laryngological Association—Chemotherapy in Nose and Throat Diseases—Hereditary Hemorrhagic Telangiectasia—Some External Nasal Deformities and Methods Used in Their Repair—Laryngo-Tracheo-Bronchitis in Children: Classification and Differential Diagnosis—Upper Respiratory Manifestations of Dermatologic Diseases—Certain Aliphatic Compounds as Nasal Vasoconstrictors—Ganglion Cell Neuroma of the Pharynx—Rhinoscleroma Involving the Upper and Lower Respiratory Tract—Vincent's Infection With Unusual Symptoms—Abscess of the Parapharyngeal Space: Massive Hemorrhage, Recovery—Amyloid Tumor of Larynx—A Case of Osteitis Fibrosa Cystica	1130
Chicago Laryngological and Otological Society. Meeting of Monday, Feb. 2, 1942—The Present Status of Nasal Medication—Origin and Development of Pharyngeal Lymphoid Structure—Otitic Brain Abscess	1153
Chicago Laryngological and Otological Society. Meeting of March 2, 1942—X-ray Studies in Mastoid Pathology—Encephalomeningoceles in the Nasal Cavities—Histopathologic Changes of the Temporal Bone in Paget's Disease	1165
Notice	1173
Obituary	1174
Index of Authors	1178
Index of Titles	1180

ANNALS OF OTOLOGY, RHINOLOGY AND LARYNGOLOGY

FOUNDED BY JAMES PLEASANT PARKER

VOLUME 51

Editors

L. W. DEAN, M.D.,
1125 N. Berry Road, Kirkwood, Mo.

ARTHUR W. PROETZ, M.D.,
Beaumont Building, St. Louis

Editorial Board

T. E. CARMODY, M.D. Denver
IRA FRANK, M.D. Chicago
W. E. GROVE, M.D. Milwaukee
DAVID HIGBEE, M.D. San Diego
ANDERSON C. HILDING, M.D. Duluth
FREDERICK T. HILL, M.D. Waterville, Me.

MARVIN F. JONES, M.D. New York
HAROLD I. LILLIE, M.D. Rochester, Minn.
JOHN G. MCLAURIN, M.D. Dallas
LEROY A. SCHALL, M.D. Boston
H. MARSHALL TAYLOR, M.D., Jacksonville, Fla.
O. E. VAN ALYEA, M.D. Chicago

Published Quarterly

BY THE

ANNALS PUBLISHING COMPANY

7200 WYDOWN BOULEVARD

ST. LOUIS, MO., U.S.A.

Annual Subscription in United States, Spain, Central and South America, \$6.00 in Advance.
Canada, \$6.40. Other Countries, \$6.80.

Contents.

	PAGE
I.—A Modern Conception of the Pathology, Diagnosis and Treatment of Chronic Suppurative Otitis Media. Wallace Morrison, M.D., New York	5
II.—Plasmocytoma of the Tonsil. Ira Frank, M.D., Chicago	22
III.—Nasopharyngeal Fibroma. Hans Brunner, M.D., Chicago	29
IV.—The King Operation for Bilateral Abductor Paralysis of the Vocal Cords. Lindon Seed, M.D., Chicago	66
V.—Osteoma of the Maxillary Sinus. Robert E. Priest, M.D., and Lawrence R. Boies, M.D., Minneapolis	79
VI.—Complete Cicatricial Stenosis of the Esophagus: Permeation Made Possible by External Operation in Certain Cases. Fletcher D. Woodward, M.D., Charlottesville, Va.	94
VII.—Nasopharyngeal Fibroma, With the Report of a Case With Secondary Pneumocephalus. Frederick T. Hill, M.D., Waterville, Me.	105
VIII.—2-Amino-Heptane Sulfate as a Nasal Vasoconstrictor. Arthur W. Proetz, M.D., Saint Louis	112
IX.—A New Plastic Flap for Use in End-aural Radical Mastoidectomy. George E. Shambaugh, Jr., M.D., Chicago	117
X.—Neurofibroma of the Larynx. Emily L. Van Loon, M.D., and Sidney Diamond, M.D., Philadelphia	122
XI.—Orbital Cellulitis. L. J. Wallner, M.D., Chicago	127
XII.—Complications of a Peritonsillar Abscess. Louis M. Freedman, M.D., and Oscar Hirsch, M.D., Boston	133
XIII.—Treatment of Otomycosis. Merrill J. Reeh, M.D., Randolph Field, Tex.	146
XIV.—Body Fluid as the Criterion for Solutions for Nasal Treatment. Sidney N. Parkinson, M.D., Oakland, Calif.	153
XV.—Estrogenic Substance in the Treatment of Atrophic Rhinitis. Louis A. Safer, M.D., Cincinnati	158
XVI.—Allergy in Relation to Otolaryngology. Hugh A. Kuhn, M.D., and Lloyd D. Linton, B.S., Hammond, Ind.	162

CONTENTS—Continued

	PAGE
XVII.—Histopathologic Changes of the Temporal Bone in Paget's Disease. M. Tamari, M.D., Chicago.....	170
XVIII.—Tuberculous Otitis Media: A Complication of Thoracoplasty. John G. Adams, M.D., Salem, Mass.	209
XVIX.—Simplified Apparatus for Laryngeal Cinematography. Paul H. Hol- inger, M.D., and H. W. Merideth, M.D., Chicago.....	215
XX.—Nucleic Acid Treatment of Subacute and Chronic Sinusitis. Alexander C. Howe, M.D., Brooklyn, N. Y.	220
XXI.—Diagnosis and Treatment of Cancer of the Larynx. Edward S. Wright, M.D., Atlanta, Ga.	228
XXII.—The Presence and Action of Lysozyme in the Nasal Mucosa. Carl E. Cahn-Bronner, M.D., Chicago.....	250
XXIII.—Tympanic Cavity Irrigation. J. Kent Leasure, M.D., Indianapolis, Ind.	253
 Clinical Notes	
XXIV.—The Problem of a Common Pin as a Foreign Body in a Terminal Bronchiole. Douglas G. Carruthers, M.D., Sydney, Australia.....	257
XXV.—Scarlet Fever, Bilateral Mastoiditis With Intervening Pneumonia and Cerebellar Abscess With Recovery. Robert B. Lewy, M.D., Chicago.....	264
XXVI.—Cavernous Hemangioma of Nose, Nasal Septum and Forehead. Samuel Salinger, M.D., Chicago.....	268
XXVII.—Arrested Development of the Larynx Following Irradiation for Re- curring Papillomas. Samuel Salinger, M.D., Chicago.....	273
 Society Proceedings	
Chicago Laryngological and Otological Society. Meeting of Monday, Octo- ber 6, 1941. Arrested Development of the Larynx Following Irradiation for Recurring Papillomas—A New Plastic Flap for Use in the Endaural Radical Mastoidectomy—The Presence and Action of Lysozyme in the Nasal Mucus	278
Books Received	285
Notices	287

